Sea Viking 2004

Enemy Order of Battle Brief

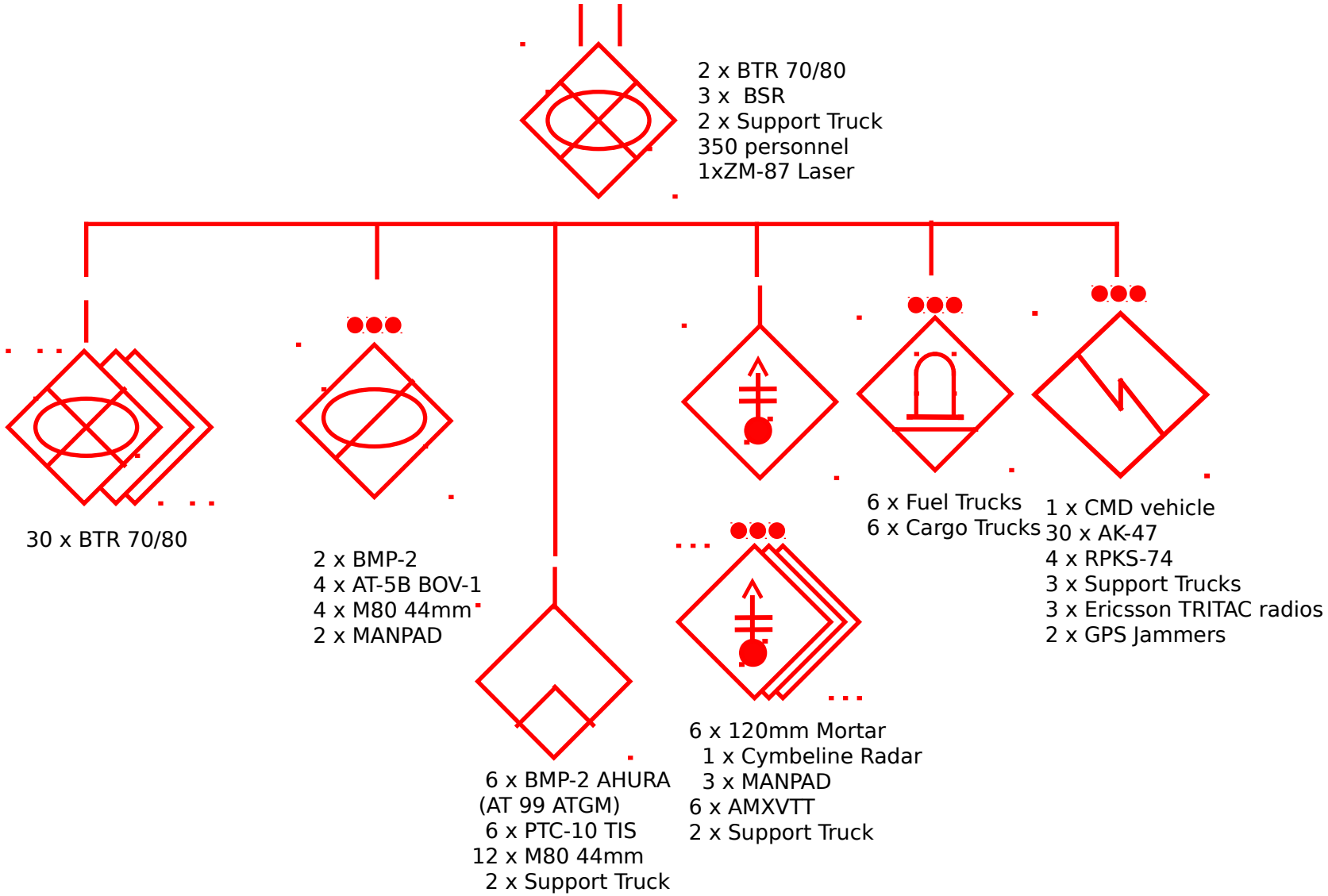
Unclassified

Berry chop on
Murray Revision

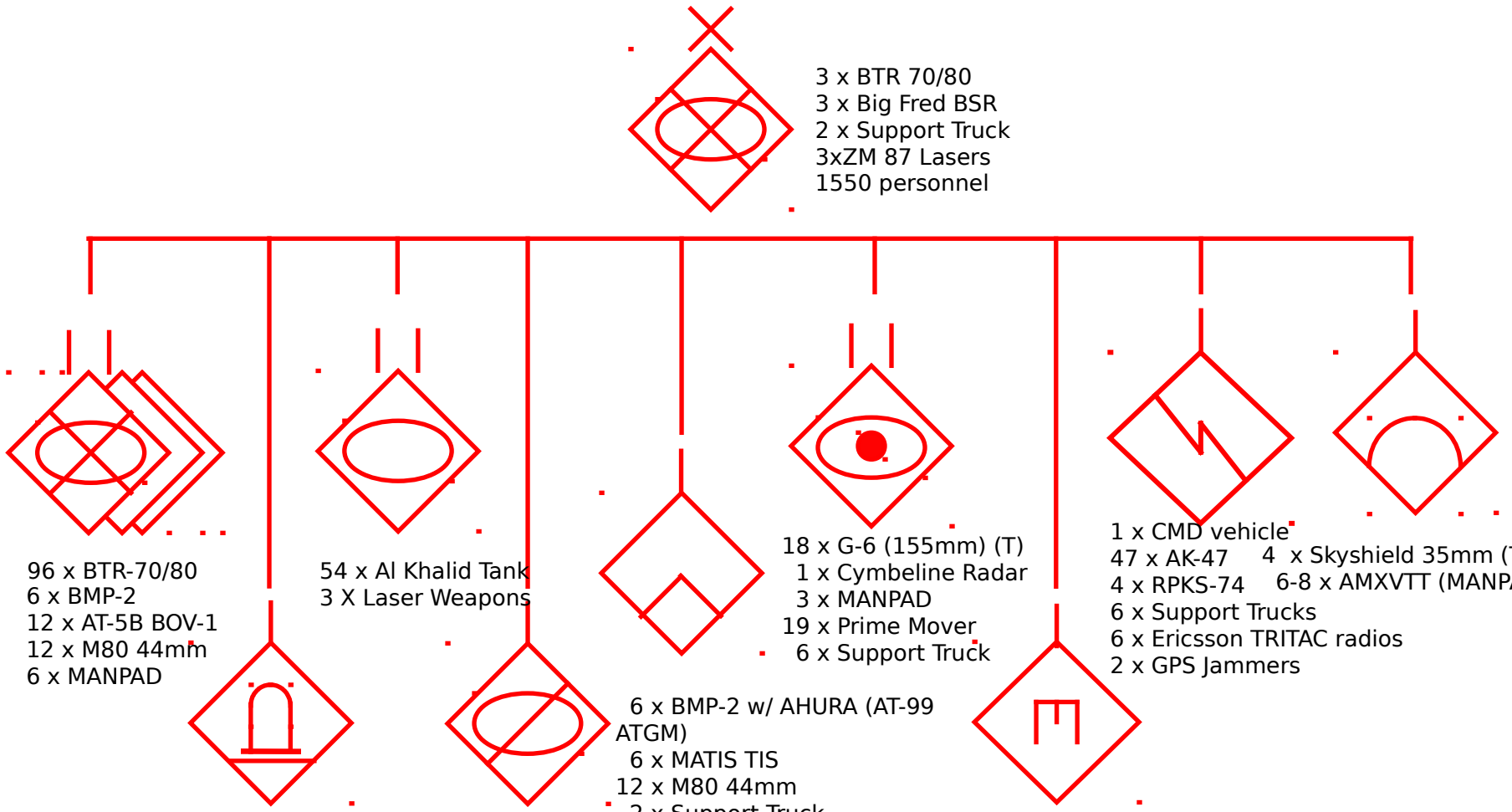
9 Feb 2004

Palace Guard

Mech Inf Bn

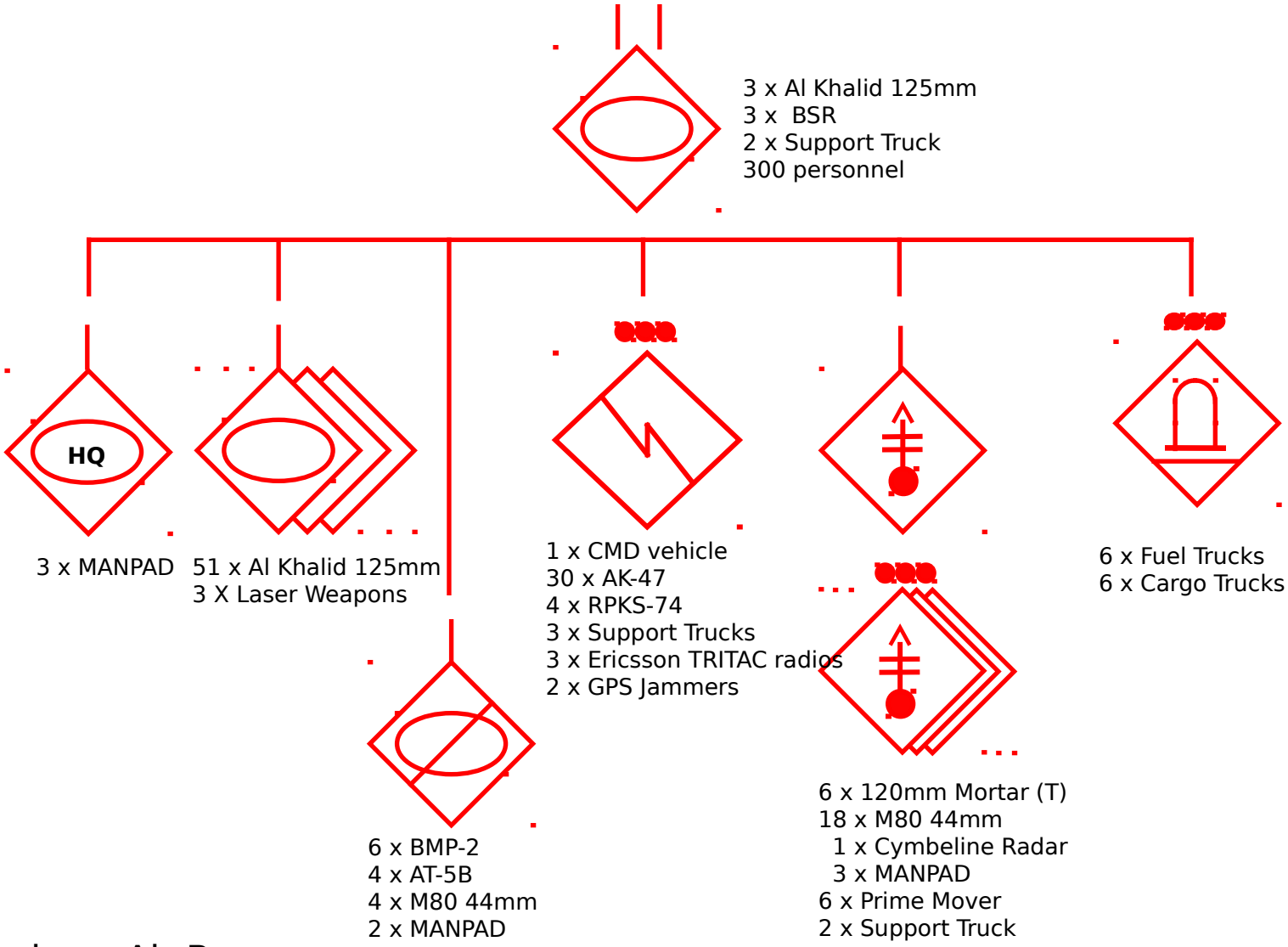


1st Mechanized Bde



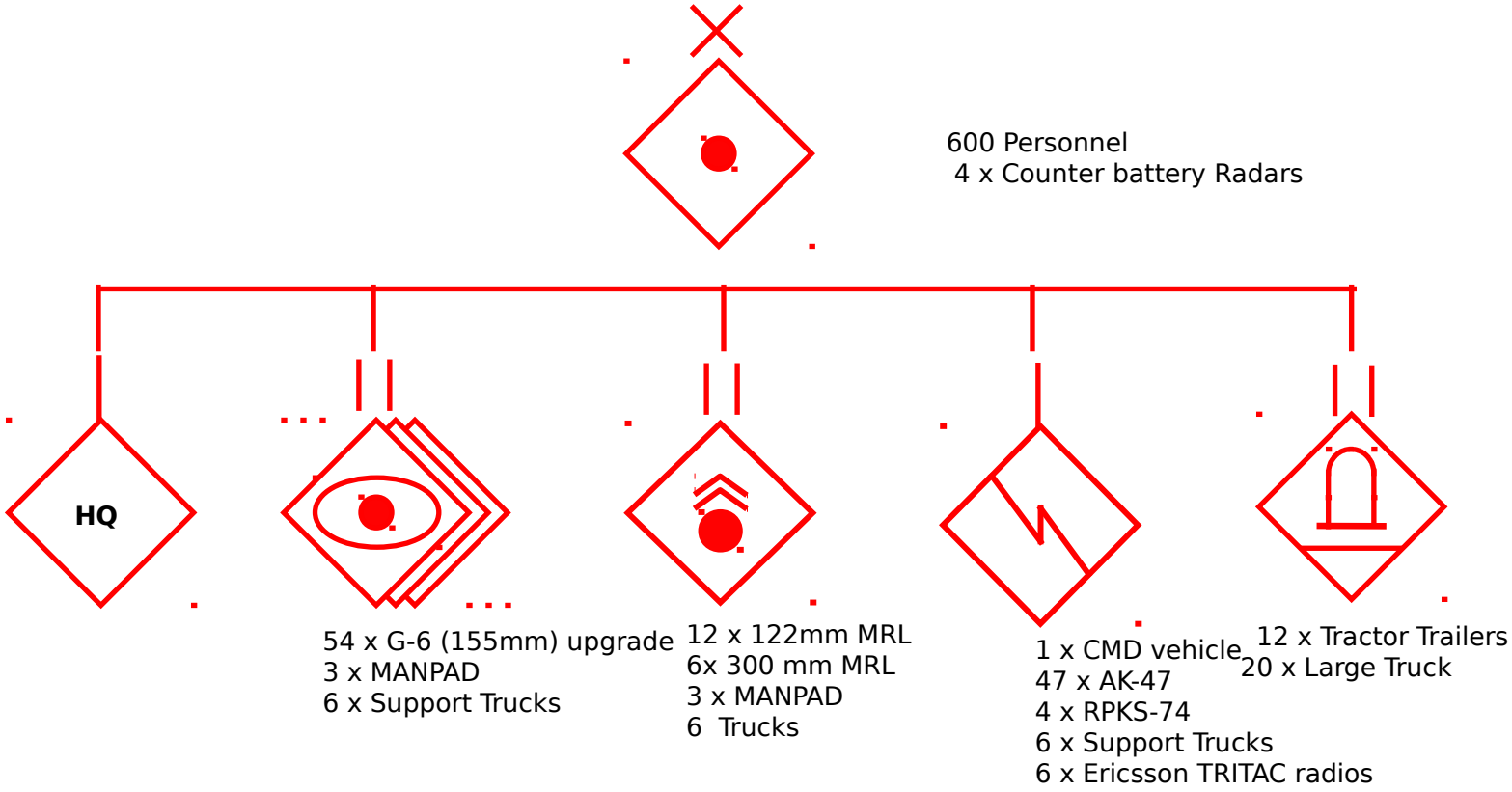
Located on SW Coast

1st Armor Battalion



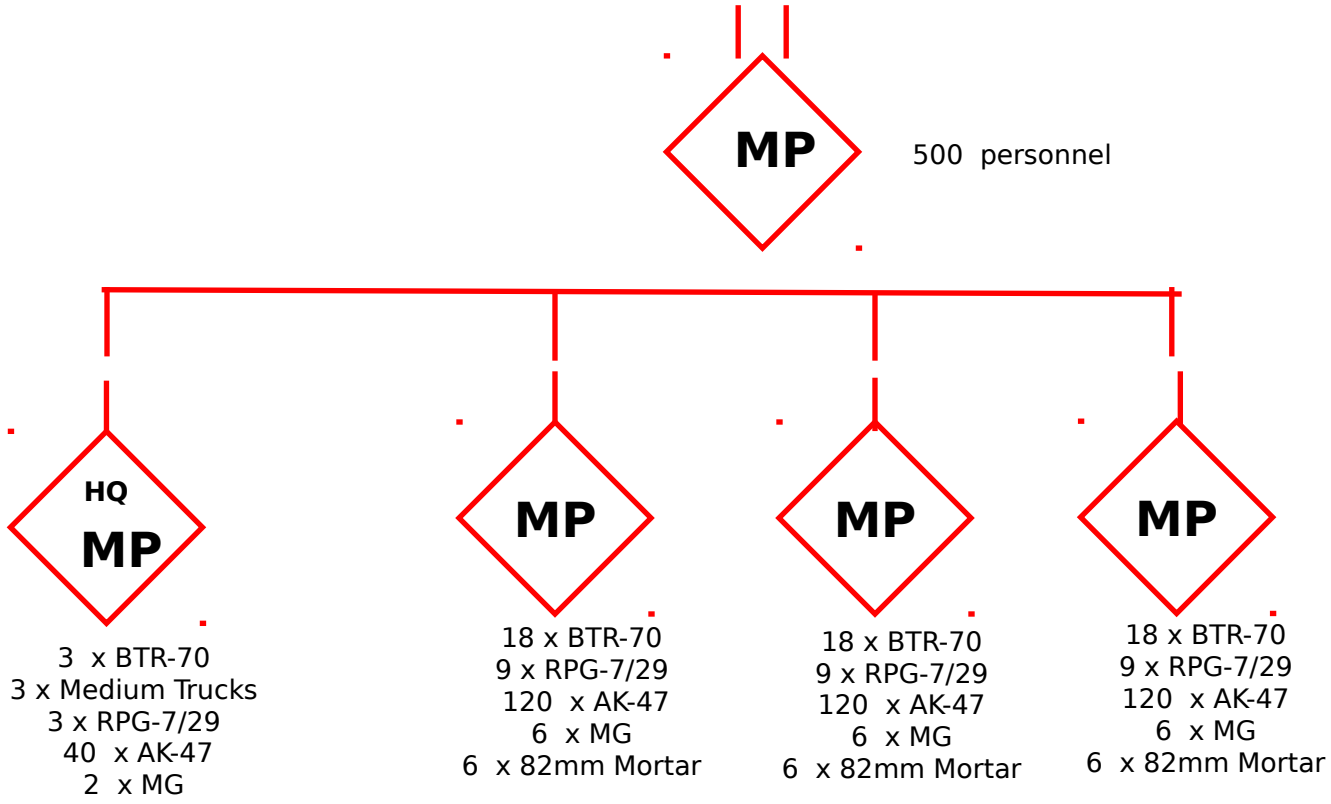
At Pekanbaru Air Base

1st Artillery Brigade



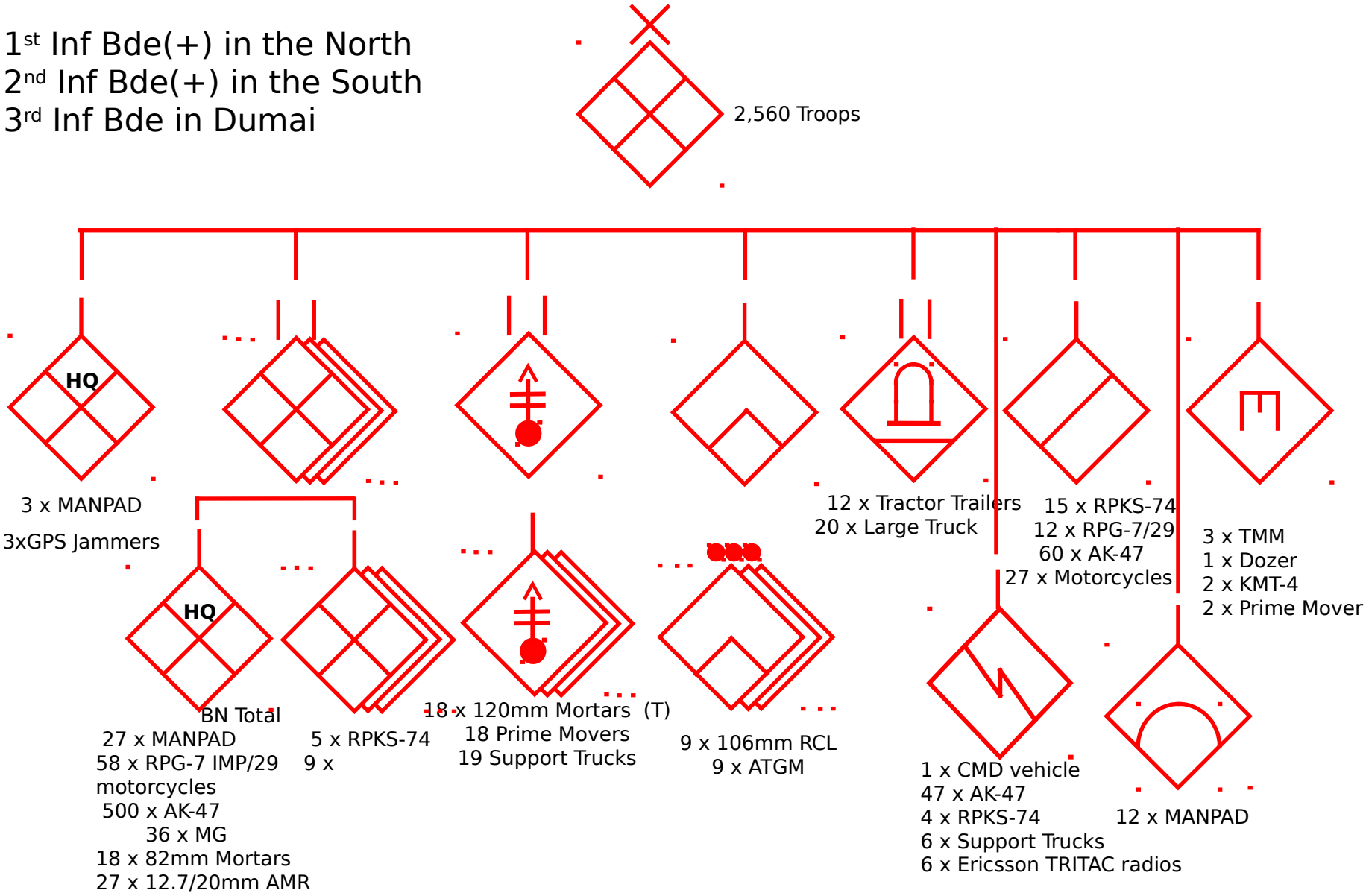
1st Bn reinforcing 1st Inf BDE
2nd Bn reinforcing 2nd Inf BDE
3rd Bn at Pekanbaru

Pekanbaru Police Battalion

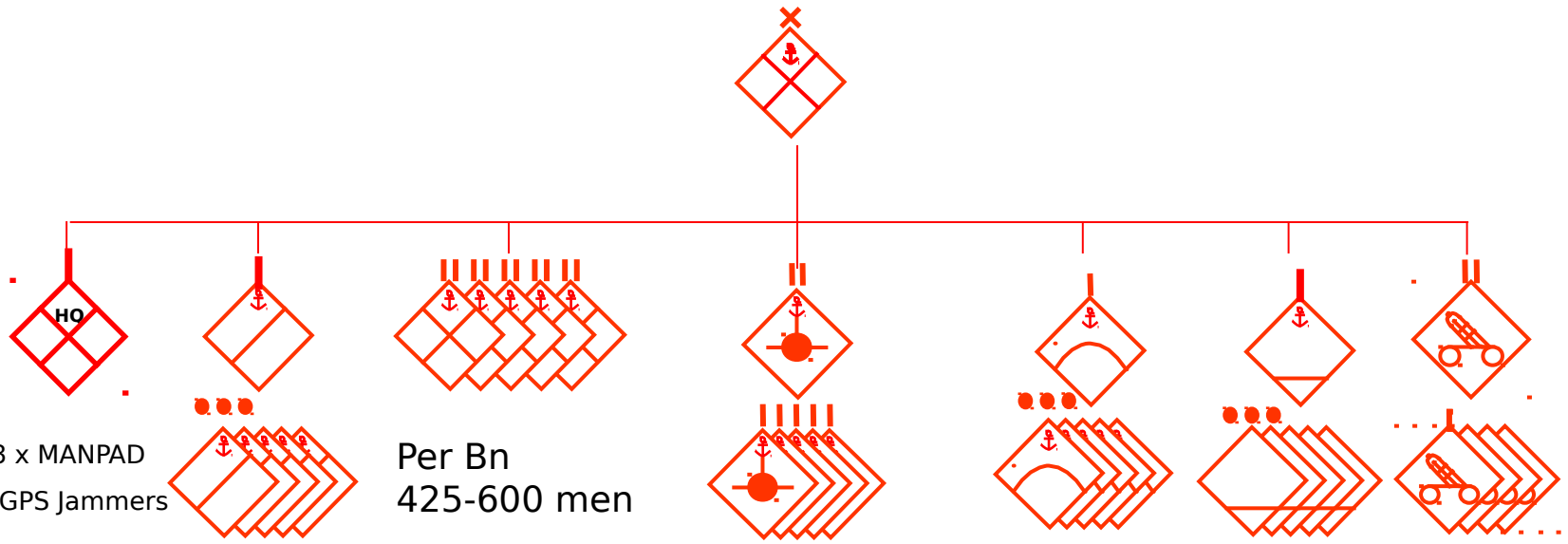


Infantry Bde (X 3)

1st Inf Bde(+) in the North
2nd Inf Bde(+) in the South
3rd Inf Bde in Dumai



Naval Infantry Brigade



3 x MANPAD
3xGPS Jammers

Per Bn
425-600 men

4 x SPG-9
18 x 60 mm Mortar
6 x 82mm Mortar
12 x AGS – 17
18 x SA-18
9 x 106mm or 84 mm
Recoilless Rifle
(vehicle mounted)
9 motorcycles

30 x 120mm Mortars (T)
30 Prime Movers
35 Support Trucks

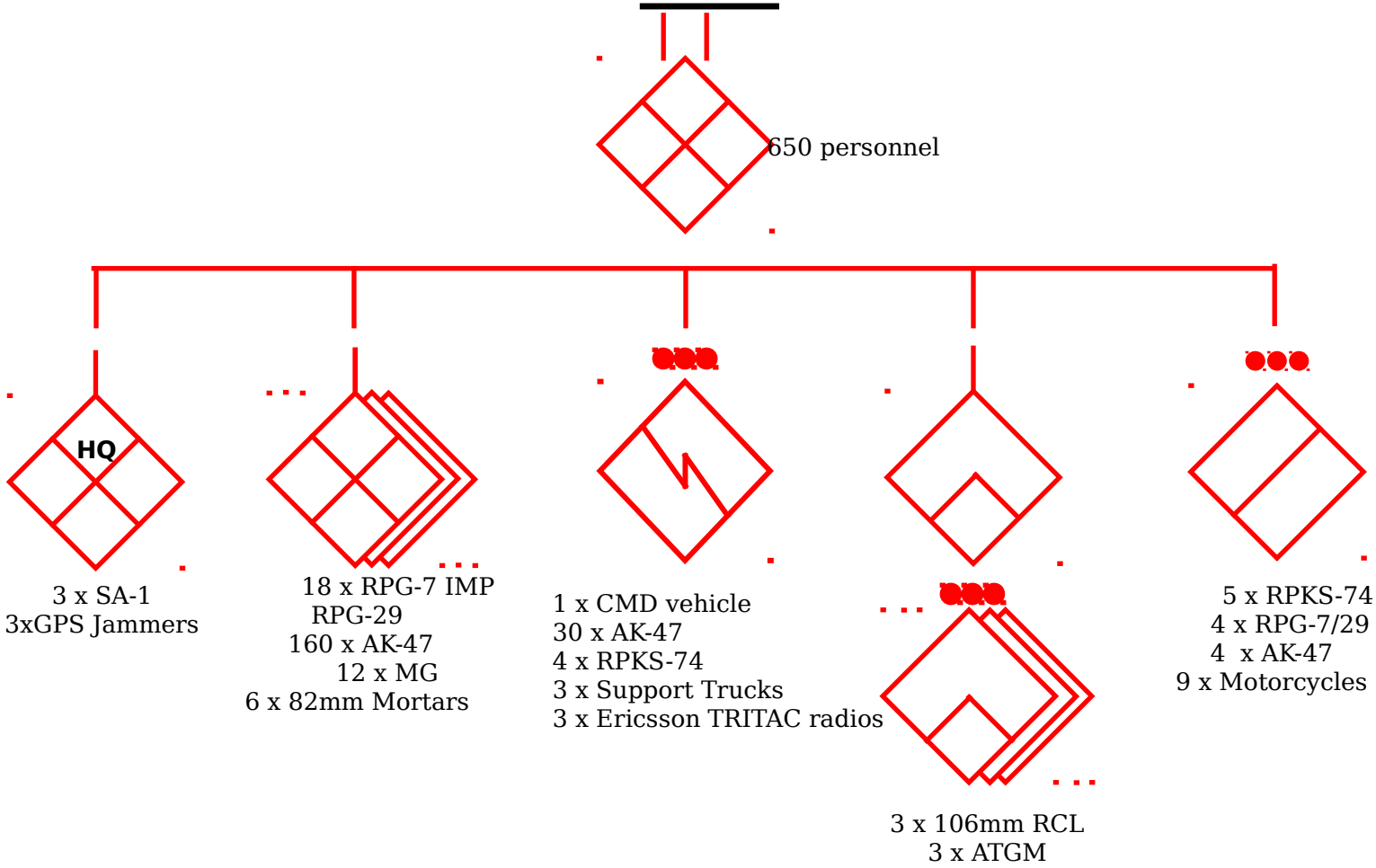
50 – ZSU-23 - 4

Coastal Defense BN

Batteries A, B, C YJ-83
6 TELs (3 msls ea)
18 msls per Btry
Battery D Combined Brty
2 TELs SS-N-22
(3 msls ea)
4 TELs SS-N-26
(3 msls ea)

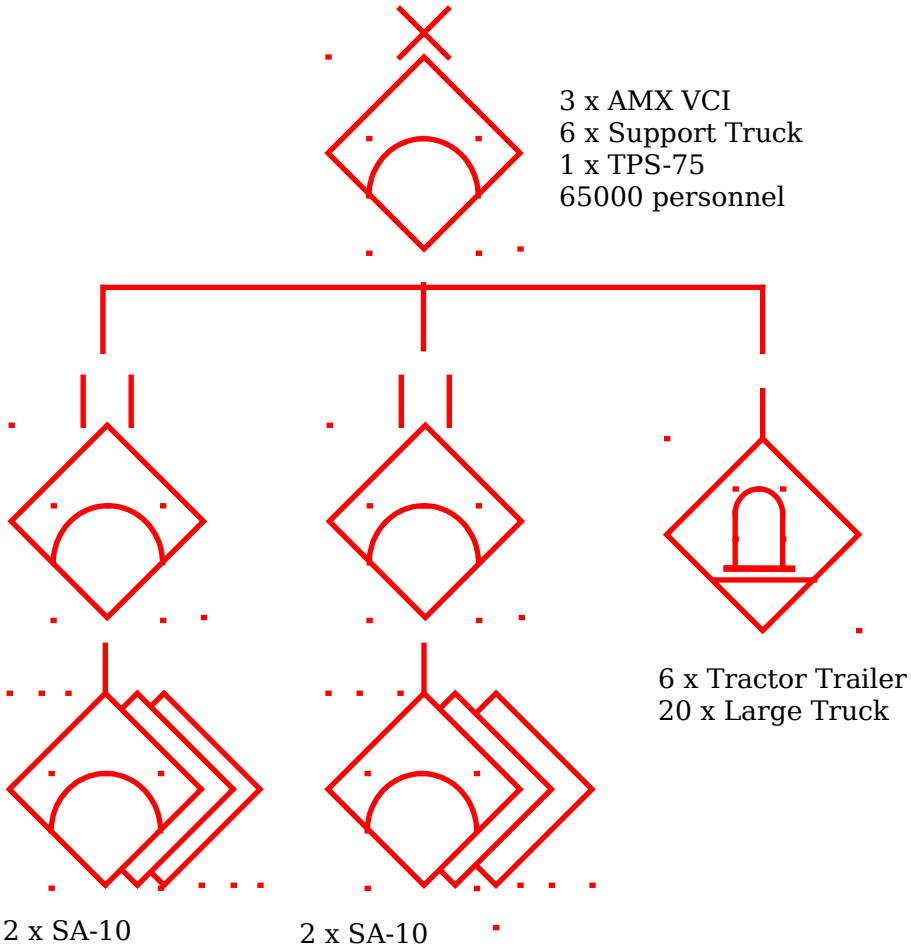
Brty A and Bn TF 1
-Riau Islands
Brty B and Bn TF 2
-80nm NW of Padang
Btry C and Bn TF 3
-120 nm SE of Padang
Btry D and Bn TF 4
-Siberut Isle 60nm SW Padang
HQ and Bn TF 5 at Padang

Penkabaru Militia Infantry Bn



At Pekanbaru Air Base

ADA Brigade



3 x AMX VCI
6 x Support Truck
1 x TPS-75
65000 personnel

6 x Tractor Trailer
20 x Large Truck

2 x SA-10
1x BODYGUARD FTG
3 x MANPAD (prox fuse)
3x57 mm ADA (AHEAD)
3 x Support Truck

2 x SA-10
1x BODYGUARD FTG
3 x MANPAD
3x 100 mm ADA (AHEAD)
3 x Support Truck

All MANPAD have proximity fuses

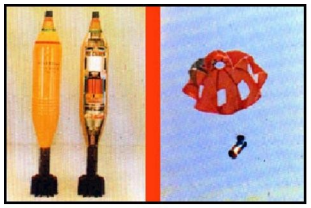
Red Equipment

300 mm MRL

Range 100-120 Km

Warheads: Course Corrected, THM, FRAG, FASCAM, Thermobarics

Red Equipment …



120mm Mortar ADHPM

Range: Dependent on Platform

Guidance: Laser Guided

Munitions: HE-Frag/Unitary Heat/Radiofrequency

ADHPM Destroying Vehicle

GPS Jammer

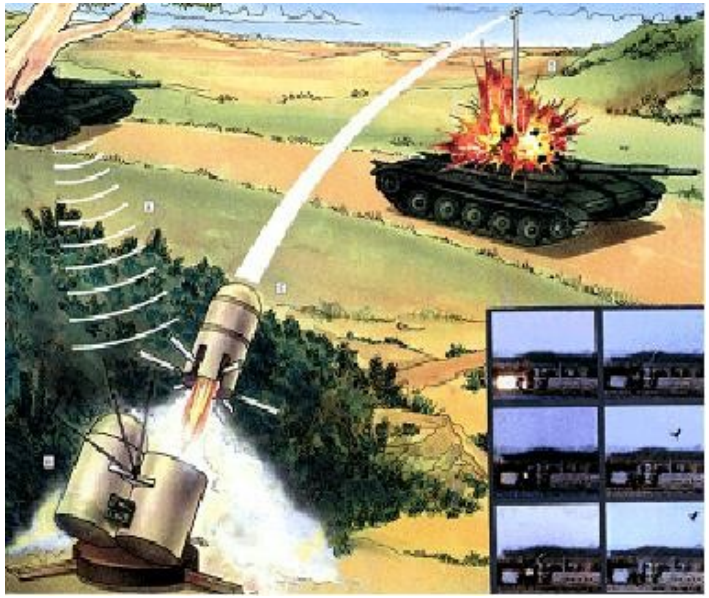
Range: 100Km Maximum dependent on Battlefield Placement, usually much less

Available on International Market

Claimed Effective against GPS/GLONASS

Portable

Red Equipment …



Top Attack Mine

Sensors:
Infrared/Acoustics

Range 80-125 mm

Warhead : EFP

Anti-Helicopter Mine

Sensors:
Acoustics/Radar

Range 150-250 meters

Warhead: Explosively Formed Penetrators (EFP)

Red Equipment …

RPG 29

Range: 1000 meters

Caliber: 105 MM

Day /Night sight

Munitions: Anti tank-750 mm penetration/ Antipersonnel / Thermobaric

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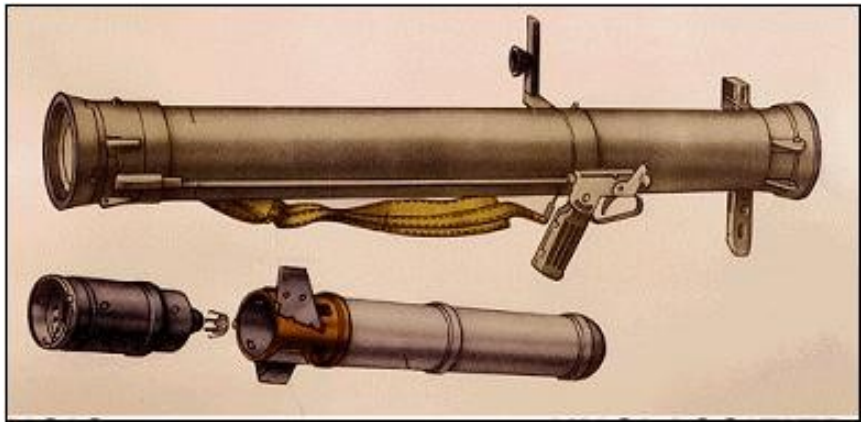


RPO-A Flame Launcher

Range: 600-1000 meters

Day /Night sight

Munitions: Thermobaric

Red Equipment ...

Skyshield

Armament: 35mm gun system

Primary targets

tactical fighter aircraft

Helicopters

Multisensor fire control AHEAD Ammunition

G-6 (FO) 155mm

Armament: 155mm gun w/ 45 rounds

Range: 60,000 meters(w/ extended projectiles)

Crew: 6

Weight: 52 tons

Red Equipment …

SA-10

- Primary Red surface-to-air missile capability
- Mobile (Range 49NM)
- Prepared hide sites in both Urban and Jungle settings
- Redundant C2 links to IADS

SS-N-22 (3M82) Sunburn ASCM

Air, Land, or Surface launched sea skimming active homing supersonic cruise missile

Range	250 km
Speed	Mach 3
Warhead:	320 kg

Red Equipment

SS-N-26 (P-800)Yakhont ASCM

Land, Surface, or Subsurface launched sea skimming active homing cruise missile

Range Mixed trajectory 300 km

To low trajectory 120 km

Speed Mach 2-2.5

Warhead: 200 kg

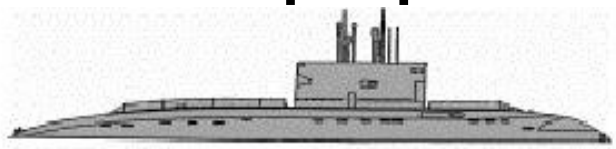
YJ-83 (C-803) ASCM

Land, Surface, or Subsurface launched sea skimming active homing cruise missile

Range: 250 KM

Warhead: 165 kg HE

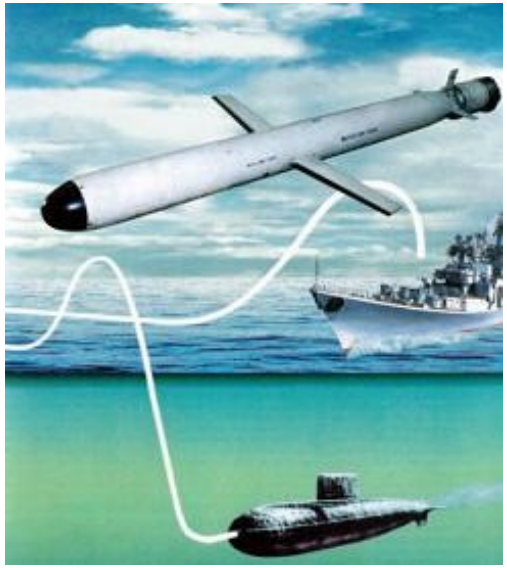
Red Equipment



Kilo Class Submarine

Guided Missile Submarine

Displacement (Tons)	2,300 Surfaced 3,950 Submerged
Speed (Kts)	10-12 Surfaced / 17-25 submerged
Dimensions (m)	72.6 long / 9.9 beam / 6.5 draft
Diving Depth	240-300 meters
Endurance	6,000 NM with snorkel @ 7kts 400 NM submerged @ 3kts 12.7 NM at full run @ 21kts
Weapons	6/533 mm Tubes 18 VA-11 Torpedoes or 24 mines 8 ASCM missiles (only 2 of 6 Red Subs can carry SS-N-27 ASCM)



SS-N-27 (3M54E) Klub ASCM

Land, Surface, or Subsurface launched sea skimming active homing cruise missile with supersonic terminal phase

Range:	220 KM
Speed:	Mach 2.9
Warhead:	200 kg

Red Equipment

CN-235 MPA

Maritime Patrol Aircraft

Range: 3650 km

Endurance: >8 Hours

Armament: AGM-84 Harpoon or AM-39 Exocet air-launched ASM

Boeing 737 AEW

Radar Air and Maritime 200 + nm /All Weather

IFF: 300 nm

Endurance: 9 Hours

Range: 7,000 km

Red Equipment

Valour Class FFG

Low Signature Corvette
3500 tons Displacement
2x4 Cell MM 40 Exocet Launchers
2X5 Cell Unkhonto SAM launchers
76mm OtoBrenda DP gun
35mm DP gun
1 SuperLynx Helo
CODAG-WARP engines
27+ Knots

Houxin Class PTG

Missile Patrol Boat
Displacement 478 tons
Weapons
C-802 ASMC
2 – dual 30mm
32 Knots

Red Equipment

No picture available

Kakap Class PBO

Surveillance and Targeting patrol boat
Displacement 425 Tons full load
1 – 40mm gun
2 – 7.62mm MG
1 – NBO-105 Helicopter
28.1 Knots

No picture available

Lurssen 28 meter PC

Patrol Craft
Used for surveillance and targeting in the littorals
Displacement
Weapons
12.7mm MG

Red Equipment

SU-25 Frogfoot

Ground Attack

Range: 1,250 km w droptanks

Armament: 4,440 kg;
Cannon: 1 GSh-6-N-30 30mm rotary
AS-7/9/11/12, AA-8 Aphid, FAB-250, UV-32-57, FAB-500, 500kg LGB, FAB-250

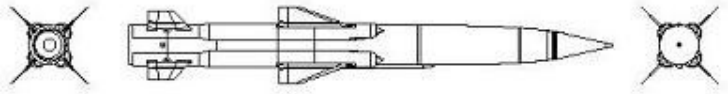
SU-30MKI Flanker

Strike Fighter

Range: 3000 km

Armament: One 30 mm cannon up to 6,000 kg payload
- AA-10 (Alamo) air-to-air missiles
- AA-11 (Archer) air-to-air missiles
- AS-17 Supersonic ASCM

Red Equipment



AS-17 Krypton ASCM

Range: 50Km

Speed: Mach 3.5

Warhead: 90kg

MI-8 HIP

Multi-role Transport_
24 troops or 3000 kg cargo

Range: 350 km Max load

Weapons: 12.7mm MG
57 / 83mm
Rockets
AT-2/3 ATGM

Red Equipment

CSS-2 IRBM

Range 4,000 km

Accuracy 1-4KM at range

Warhead: 2000kg throw weight, multi warhead (3) capable; BC, High Explosive

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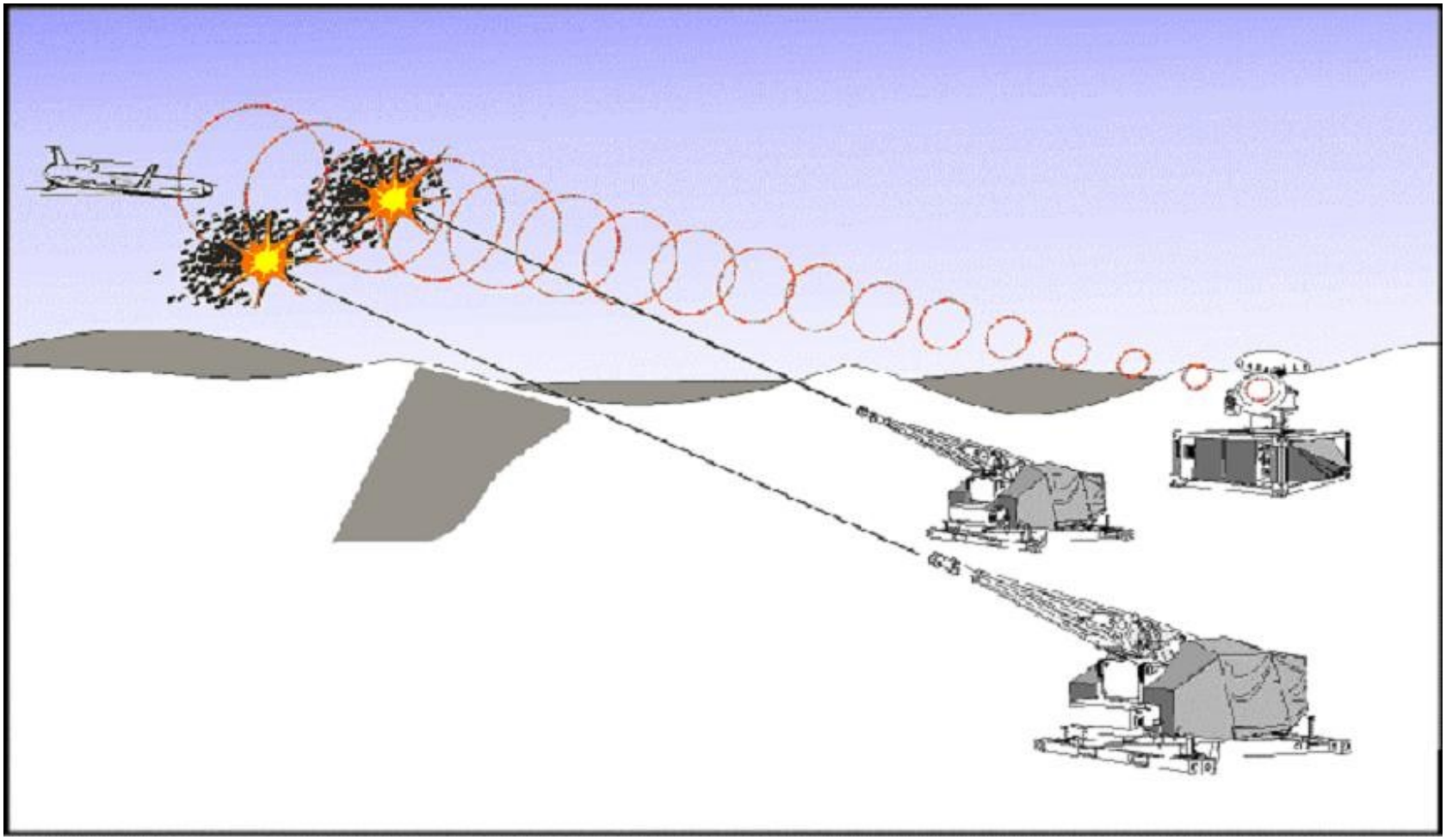
CSS-7 SRBM

Range 300Km

Accuracy 300m at range

Warheads: BC, High Explosive, Explosives, THM

SKYSHIELD Engaging Cruise Missile



Red Equipment

Side Attack Mine

Sensors: Acoustics/Radar

Range 150-250 meters

Warhead: Explosively Formed Penetrators (EFP)

Directed Energy Weaponry

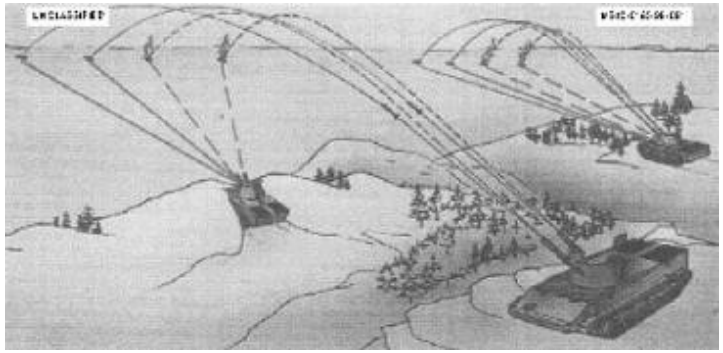
ZM-87

Laser Dazzler vs optics and sights

Range 2KM

Note: Tank Mounted Version on Type 98

Red Equipment



AHURA (AT-99 ATGM)

Fire and Forget BLOS

Lock On After Launch

12KM Range

1250 mm Penetration

Al Khalid MBT

Armament:
125mm Main Gun; GLATM
Range: MG – 2km (KE); GLATM – 5km
Thermal imagery night vision
Laser CM (one in ten)
Weight: 45tons
Speed: 70km/hr
ERA: 1 M protection, **APS**

Red Equipment

MAD DOG Attack Unmanned Aerial Vehicle

Anti-Radar, Loitering System, With high Pk (>85) versus blue SAM Radars

Produced by Western Nation, purchased from 3rd Party

Weight 110 KG, (Loaded), Range: 450 NM, Radius 110 NM,

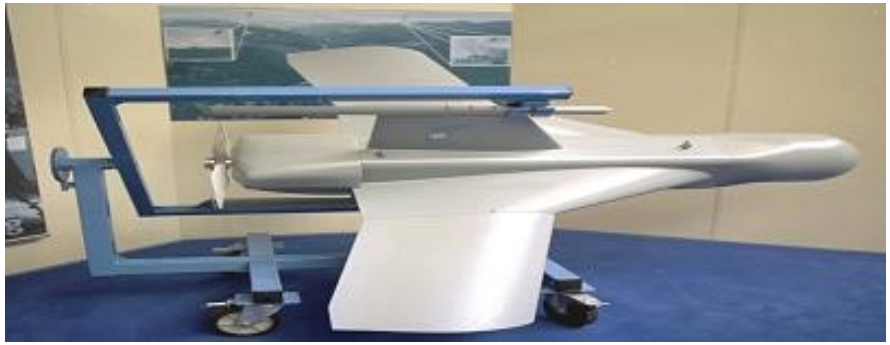
Speed: 250 KN, Height 12,000 ft MSL, GPS/INS guidance

Sensors: TV, Laser, Passive RF seeker,FLIR (possible)

10-12 KG blast warhead

Red Equipment

Seeker Reconnaissance UAV



Reconnaissance, Battle Damage Assessment, Target Designation System

Produced by South Africa, Europe, Israel or China, purchased from manufacturers

Weight 125 KG, (Loaded), Range: 1200 NM, Loiter Time 8-10 hrs

Speed: 250 KN, Cruise speed 150 KN, Height 3000-5000 meters, GPS/INS guidance,preprogrammed or remote pilot

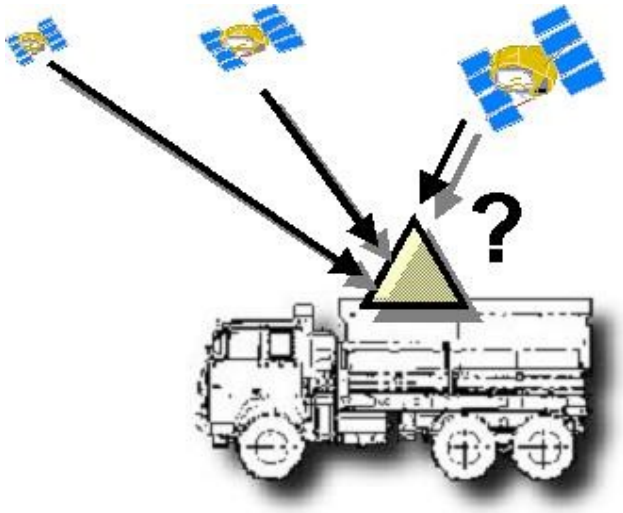
Sensors: EO imaging, Laser, FLIR, MMW, SAR, LTD, LRF jammers and ELINT suites, equipped with communications relay device

Direct Downlink to shooters

Red Equipment

Corner Reflectors

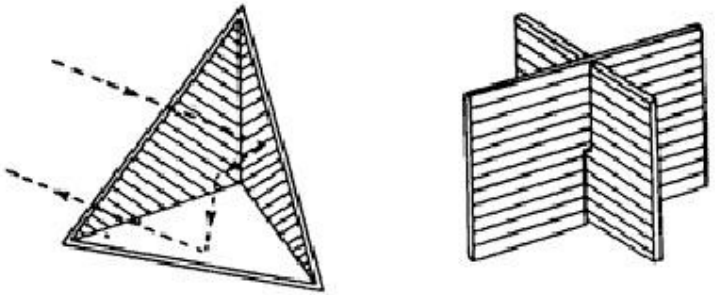
Simple technology – aluminum construction or aluminum foil and cardboard



Truck = TEL

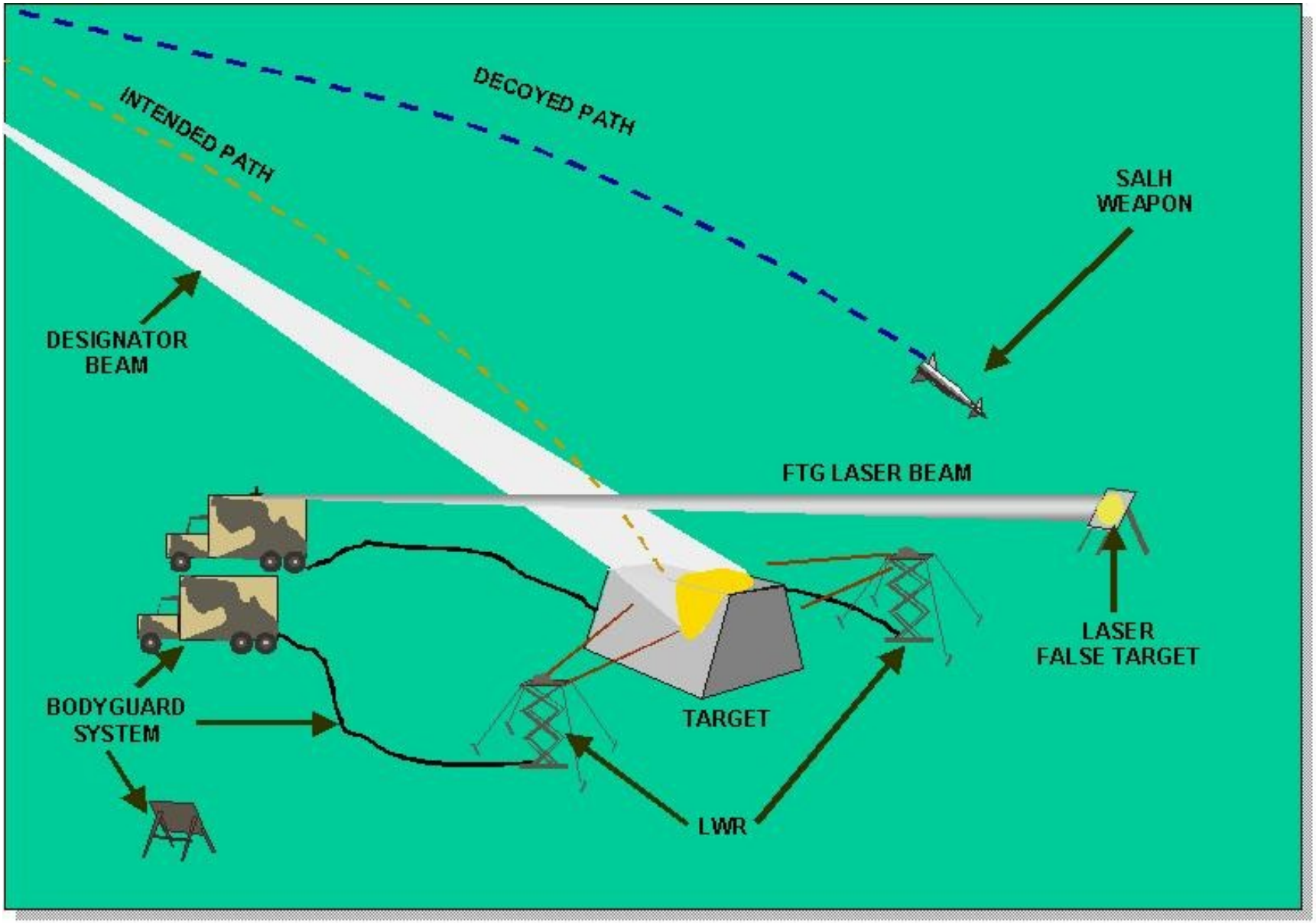
Confuses SAR Radar by returning overly large returns from small reflectors

- **12-20 dB gain in return signal**

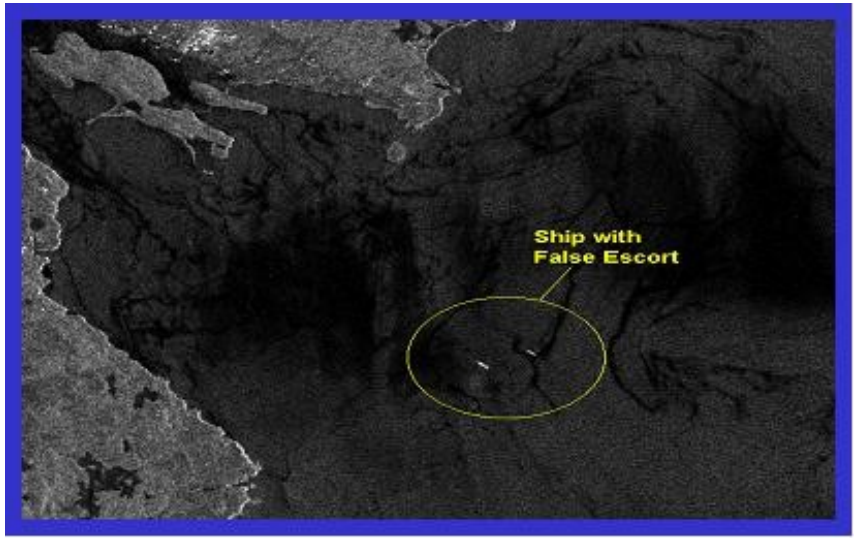


Large scattered deployment creates a

Bodyguard False Target Generator System



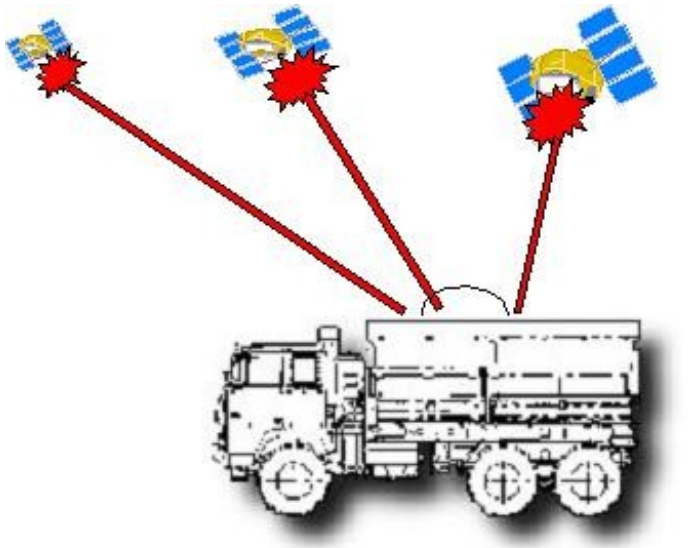
Red Equipment



Coherent Beam Jammer

Threat Radar/Jammer combination that creates false images for and can spoof space based and airborne to include SAR radars

Red Equipment



Ahriman Laser Blinder

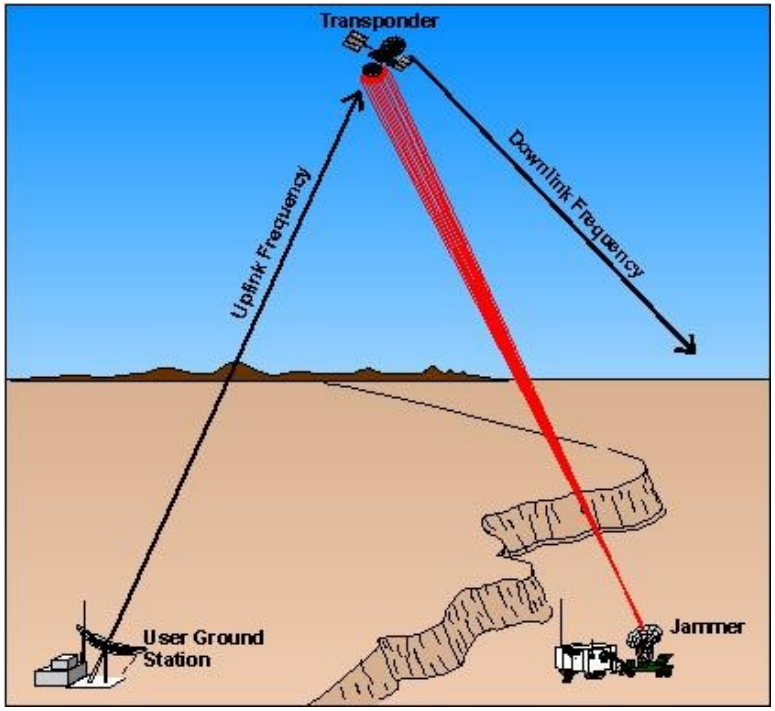
Satellite ISR Denial System: Low to mid power laser capable of temporarily dazzling or blinding optical ISR Satellites in low earth orbit.

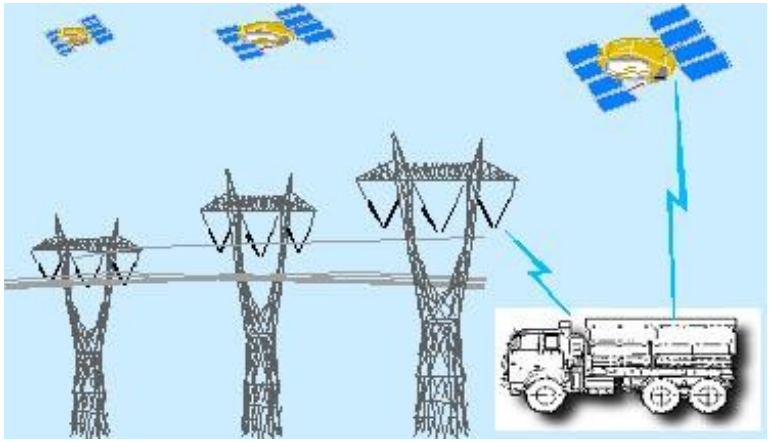
Dazzling mode: overloads the focal plane of the imagery satellite without causing permanent damage

Blind mode: Overloads the focal plane with sufficient power to permanently burn out specific pixels in the imager

Satellite tracking/downlink stations integrated with C2 network and Jamming / Blinding Systems

Red Equipment





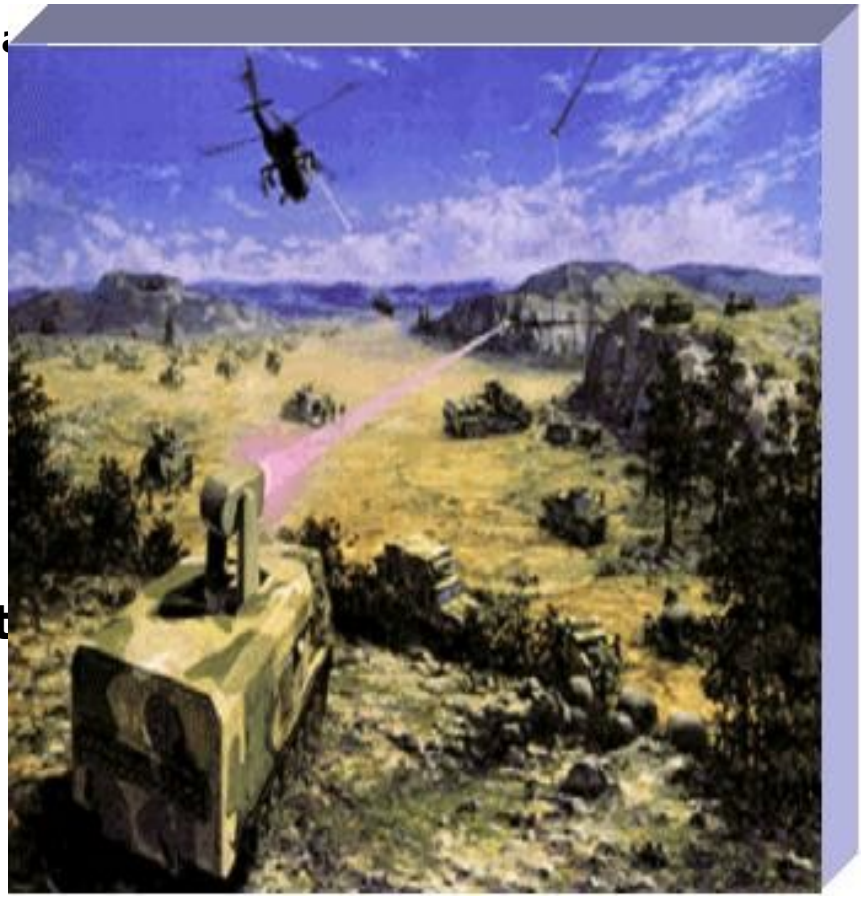
Mobile SATCOM Jammer

SATCOM Denial System: Jams satellite uplink brute force noise. Capable of targeting specific frequencies and transponders.

Self-targeting: targets based on rough element set and detected signal downlink activity

Directed Energy Weaponry (DEW)

- **Lasers**
- **High Power Microwave**
- **Radio Frequency Wea**



Degrades US sensors
Shortcircuits Electronics
Technologies are mature in China, Russia/FSU, and Europe
“Tunable Systems” very difficult countermeasure
Proliferation worldwide